

IN THE CLAIMS

This listing of claims replaces all prior versions, and listings, in this application.

Claims 1-105 (canceled)

106. (currently amended) A method of diagnosing in an individual a recent exposure to *M. tuberculosis*, said method comprising:

- (a) providing a T cell-containing sample from said individual;
- (b) contacting ~~separate different~~ aliquots of said sample separately with antigen compositions comprising either whole ESAT-6, or peptide epitopes derived from ESAT-6, in an ELISPOT assay in order to determine the frequency of antigen-responsive T cells which have been induced to secrete a cytokine; and
- (c) ~~evaluating whether, the responsive T cells in each separate assay, there was a positive response;~~ evaluating whether, the responsive T cells in each separate assay, there was a positive response; wherein a positive response using whole ESAT-6 and a negative response using peptide epitopes indicates that the individual has recently been exposed to *M. tuberculosis*.

107. (previously presented) A method according to claim 106, wherein said peptide epitopes are 8 to 29 amino acids in length.

108. (previously presented) A method according to claim 106, wherein a pool of at least four different peptide epitopes is employed.

109. (currently amended) A method according to claim ~~[[106]]~~ 107, wherein said peptide epitopes represent all possible peptide epitopes derived from ESAT-6.

110. (previously presented) A method according to claim 106, wherein antigen presenting cells are present in said sample.

111. (currently amended) A method according to claim 106, wherein said peptide epitopes are selected from the group consisting of:

MTEQQWNFAGIEAAA	(SEQ. ID NO: 1),
WNFAGIEAAASAIQG	(SEQ. ID NO: 2),
IEAAASAIQGNVTSI	(SEQ. ID NO: 3),
SAIQGNVTSIHSLLD	(SEQ. ID. NO: 4),
NVTSIHSLLDDEGKQS	(SEQ. ID. NO: 5),
HSLLDDEGKQSLTKLA	(SEQ. ID NO: 6),
EGKQSLTKLAAAWGG	(SEQ. ID NO: 7),
LTKLAAAWGGSGSEA	(SEQ. ID NO: 8),
AAWGGSGSEAYQGVQ	(SEQ. ID. NO: 9),
SGSEAYQGVQQKWD A	(SEQ. ID. NO: 10),
YQGVQQKWDATATEL	(SEQ. ID. NO: 11),
QKWDATATELNNALQ	(SEQ. ID. NO: 12),
TATELNNALQNLART	(SEQ. ID. NO: 13),
NNALQNLARTISEAG	(SEQ. ID. NO: 14),
NLARTISEAGQAMAS	(SEQ. ID. NO: 15),
ISEAGQAMASTE GNV	(SEQ. ID. NO: 16), and
QAMASTE GNV TGMFA	(SEQ. ID NO: 17). [.]

112. (withdrawn) A kit for carrying out the method of claim 106, the kit comprising (i) whole ESAT-6 and (ii) peptide epitopes derived from ESAT-6, together with instructions for performing an ELISPOT assay.

113. (withdrawn) A kit of claim 112, wherein said peptide epitopes are 8 to 29 amino acids in length.

114. (withdrawn) A kit of claim 112, wherein there are at least four different peptide epitopes.

115. (withdrawn/currently amended) A kit of claim [[112]] 113, wherein said peptide epitopes represent all possible peptide epitopes derived from ESAT-6.